Plexus is a proven leader in advanced microelectronics manufacturing and assembly solutions. Leveraging over 35 years of technology leadership in design and manufacturing – with proven expertise in high-complexity, high-reliability and harsh environmental products – we are uniquely positioned to design, manufacture and deliver microelectronic products that exceed our customers’ expectations.

Plexus has developed industry-leading capabilities through product and process characterization. We have a highly experienced team led by talented industry veterans and we work closely with our customers to ensure we have the capabilities and expertise to meet their needs.

Enhanced microelectronic capabilities.

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- Regulatory expertise and compliance.
  - ISO 9001, ISO 13485 and ISO 14001 certified
  - AS9100 certified
  - ANSI / EDS S20.20 certified
  - IPC J-STD-001 and Space certified
  - DoD DMEA Accredited Trusted Source
  - AS5553-Compliant Counterfeit Parts Avoidance
  - Screening IAW MIL-PRF-38534
  - Testing IAW MIL-STD-883 methods
  - Robust materials obsolescence management

**Plexus**
Robust set of capabilities.
- Custom packaging and process development
- Precision die attach (flip chip, epoxy and eutectic)
- Gold and aluminum wire and ribbon bonding
- Stud bumping
- Precision automated underfill
- Dam and fill encapsulation
- Extensive in-house test, screening and inspection

Product and technology focus.
- Hybrids and integrated mixed technology assemblies
- Chip and wire
- Flip chip
- Multi-chip modules
- System-in-package
- RF / microwave modules
- Power modules
- MEMS and 3D packaging
- Optoelectronics / imaging devices
- Quilt Packaging™

Full range of services.
- Product design
- Process development
- Materials evaluation
- Prototype to production
- Test and measurement
- Reliability and failure analysis

Microelectronics Center of Excellence
Boise, ID

- ISO Class 7 cleanroom
- Industry-leading process, test and inspection solutions
- Best-in-class processing and metrology equipment
- On-site failure analysis and reliability testing lab

Ready to get started? Contact our Microelectronics team at plexus.com/contact or by using the appropriate phone number below.

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